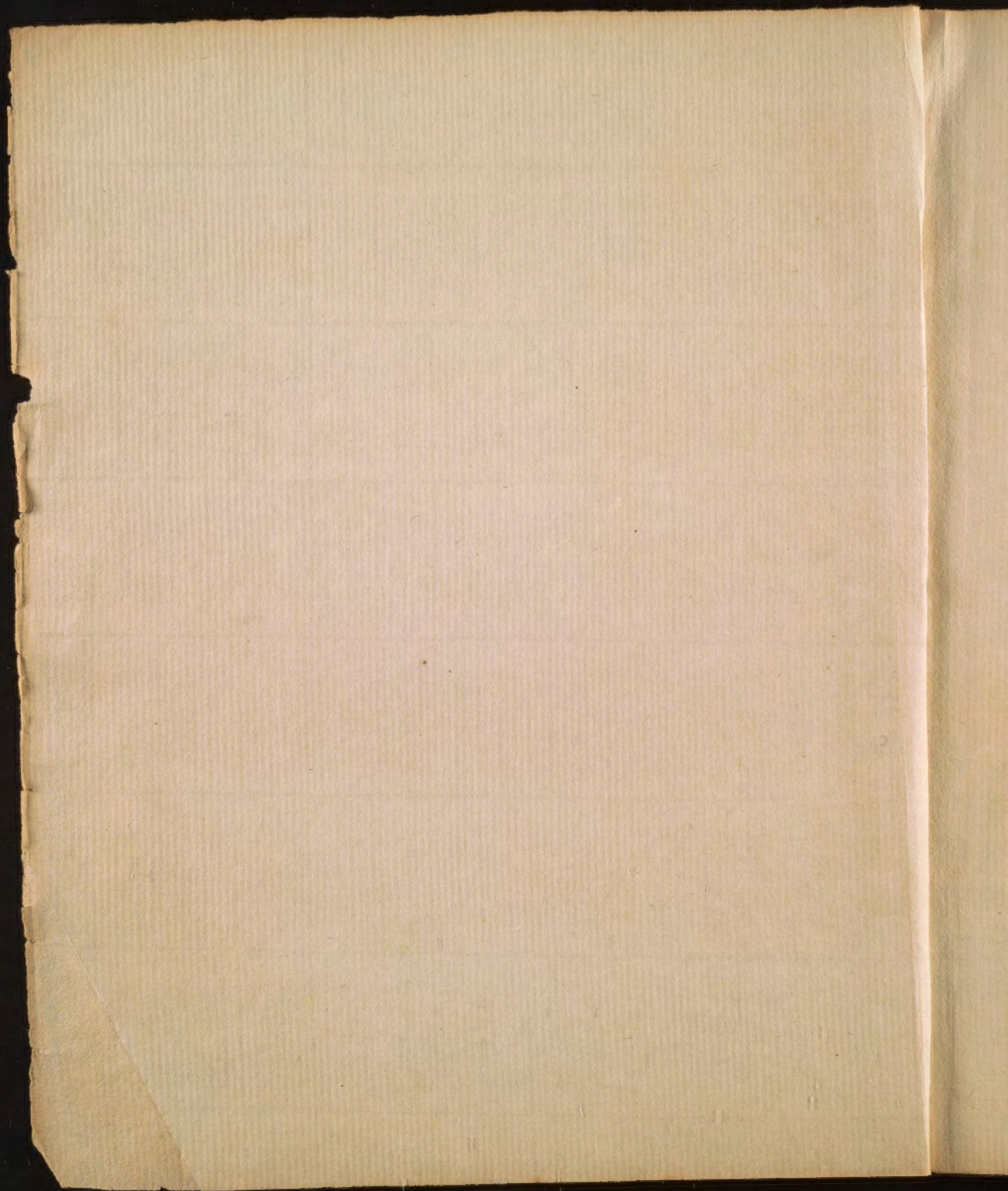
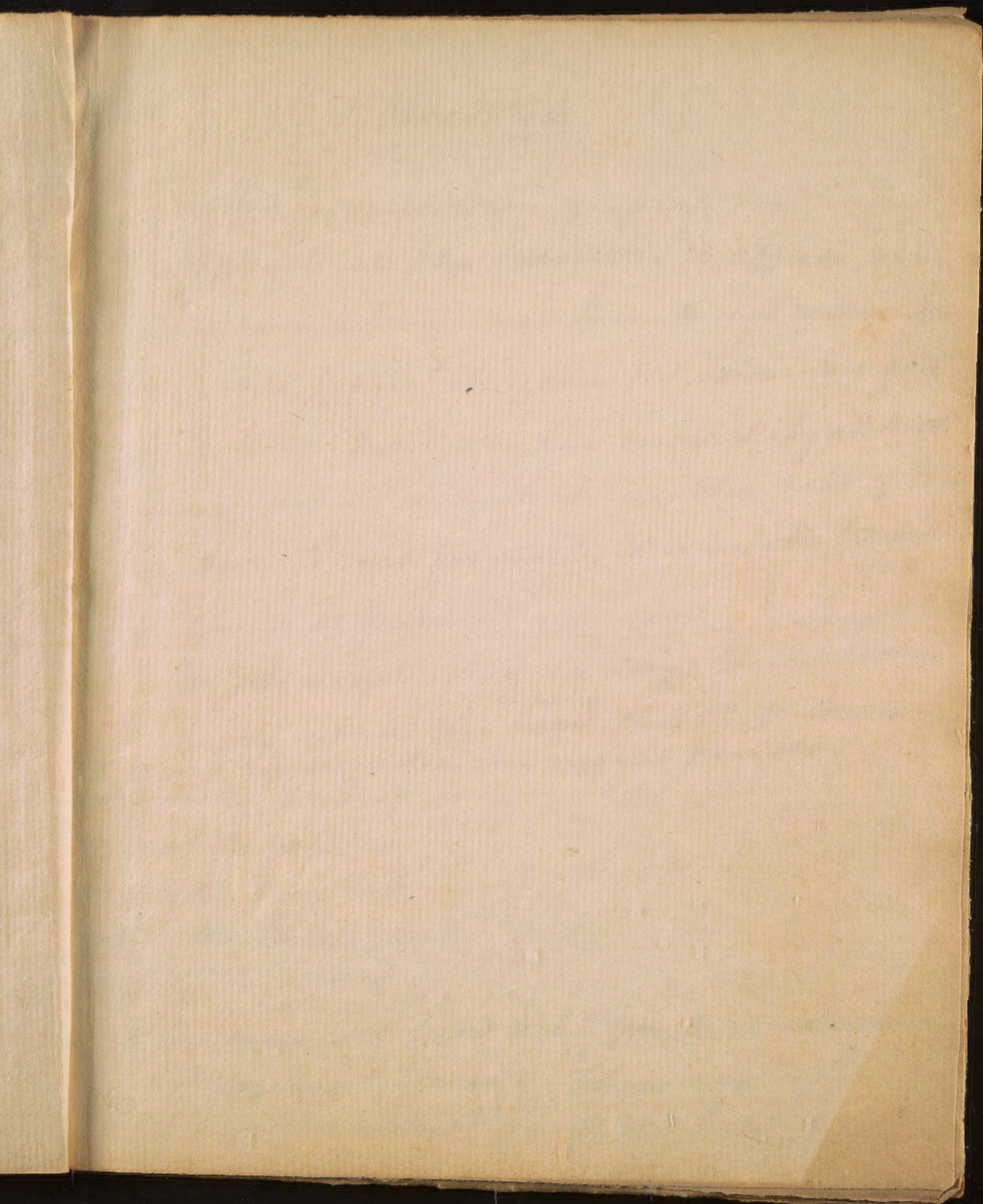


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Head Ark





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Head Ach

Few diseases are more general, or more distressing than the head ach. It affects all ages above puberty, and sometimes young persons from 14 years old, down to eight and ten. Women are more subject to it ^{than} ~~than~~ men, and that in the ratio of ten to one. I said formerly it is in the women a form of gout.

The ~~of~~ remote and ^{of this disease} exciting causes, act primarily upon the ^{brain} ~~head~~, this the medium, I of its organization, or organic diseases.

II of the blood vessels.

III of the nerves.

IV of the stomach.

V of the senses and

VI of the mind.

I the causes of head ach from organization, and organic diseases. These are

I malconformation of the head. In this

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case it is ~~usually~~ ^{often} hereditary, & discovers itself in early life.

2 Abscesses in the frontal sinuses & in the ears.

3 Contusions in the head. ^{They sometimes produce} producing depression, or extravasation of ~~the~~ blood under the skull. ^{to}
~~I have known head ache from the contusions,~~

~~continue for many years.~~ But a simple concussion of the brain will sometimes induce chronic head ache without being accompanied with either depression or extravasation.

II The Causes which induce head ache thro' the medium of the blood vessels are

1 Fevers of all kind. It is most severe in fevers from ~~exaltations~~ both Keins & Idio miasmatic exaltations. It is often the solitary symptom of a rising epidemic. When that ~~inter~~ epidemic is an intermittent, the head ache is periodical. A head ache, Dr Cullen used to inform his pupils,

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3 occupied the place of
of this kind once ~~suggested~~ was intermittent
upon the Eastern Coasts of Scotland. In the
Autumn of 1800 the head ach was very
common in Philad^a. It was supposed to be
a form of the autumnal fever.

2 The Head ach is sometimes induced by Gout.
It may be known to arise from this cause
1 by the patient ~~has~~ having been subject to
the Gout, or ^{being} descended from Gouty Ancestors.
2 by its being preceded by pains in other parts
of the body, & particularly with pickup at
the neck or flatulency & 3 by its being re-
-lived by pains in other parts of the body.
I have once known it relieved by a gleet,
with which it
~~and so alternated with that gleet for fifteen~~
years. It is remarkable this head ach never
terminates a fit of Gout.

3 The Rheumatism. It may be known to
arise from this Cause. 1 By its attacking
persons of robust habits. 2 by Alternating with

V of which I have known an instance in this
city

or succeeding
pains in the limbs ⁴ only, & 3 by being
increased by all the causes which increase
Rheumatism. The disease from both Gout &
Rheumatism often affects the scalp and peri-
osteum not only with pain, but with a
partial & general swelling of each of them,
and hence arises another mark by which
they may both be known. In speaking of
Gout & Rheumatism Under distinct heads, I take
notice I do mean two distinct diseases. They
are grades only of one original disease.
Is Great heat & Cold; the former to such a degree as
to induce what is called *inflammation*.
to Rubicity.

6 The Strife which takes place between the
Arteries and Veins between the 36th & 46th
years of life.

7 The Apation of the menses.

8 Obstructed menses, and piles

9 The Apation of the piles where they
have been habitual.

V eruptions. ~~too loud talking.~~

10 Costiveness, or and a difficulty of discharging
the feces from the internal piles, or exter-
nal Condylomata. One of the most dis-
tressing cases of head^{ache} I have ever known
was from the latter cause.

11 Tight Dresses whether ^{around} ~~upon~~ the neck, or
upon the head, feet, or the trunk of the
body. 12 Sleeping with the head too low or ~~back~~ ^{the}
neck bent. 13 leaving off the use of tobacco. 14 ^{repelled} ~~repelled~~ V

III The Causes which induce Headach thro
the medium of the nervous system are,

1 great heat and cold, and particularly cold
feet. ^{sensible qualities} ~~particular~~ ^{particularly}
2 ~~Certain~~ ^{particular} ~~parts~~ ^{of the air} ~~causing~~ ^{causing} ~~the~~ ^{une-}
qual moisture, dryness, density & rarity - and
~~winds from~~ certain ~~particular~~ winds.

3 certain insensible qualities of the air.
~~our~~ Our knowledge under this head is very
limited, we only know that the air when
impregnated with an unusual quantity
of bluish matter induces it upon some

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people. This is ⁶ obvious from the head
ache ceasing ~~when this~~ occurring only during
a thunder storm, and ceasing when it is over.

4 Imprevious upon parts which are insensible
to them particularly the stomach, which are
conveyed by sympathy to the brain.

5 Fatigue from ^a long walk, or from stan-
ding long upon the feet.

6 Unusual wakefulness, or sleep, or sleep at un-
usual hours. —

IV. The Causes ^{which induce} of head ache ~~from~~ ~~Cancer~~ ~~which~~
~~act upon the brain thro' the medium of the~~
Stomach are

1 Bile.

2 Certain indigestible Substances taken into
the Stomach, that are offensive from idiosyn-
crasy, or ~~from which is called a defect~~, that
~~is having once been affected with head ache by~~
~~eating them~~ from some accidental Cause;
such as butter, raw, or baked fat meats, certain

V Loud talking I ~~was~~ met with a remarkable
-ble instance in this city. A lady who
was occasionally visited by a Deaf Sister
was always affected with the head ache
during her visit, and that in consequence
of being obliged to talk louder than usual
in order to be heard by her.

~~into~~ nuts, and milk.

Now shall we know whether the
headache be induced by those offensive matters
in the stomach acting upon the head, or by
a disease in the head acting upon the stomach?

— I answer by the priority of the disease
in the ~~head~~ stomach, to that in the head.

the reverse of this remark is equally true.

V. The causes which induce headache thro' the
medium of the senses, are

- 1 certain odors, particularly the odor of flowers
spices, and of certain flowers.
- 2 Looking down from a great height, & excess of light.
- 3 Loud and unusual noises, or loud talking
and laughing, and listening an unusual time
to uninteresting conversation. of the effects V

VI The causes which induce headache thro' the
medium of the mind are

V city who is always afflicted with head the
ache, on sundays, and on no other day of our
the week. Upon inquiry, it appeared that 2
she was in the practice of devoting sundays, vi
exclusively to reading.

- 1 ~~Head~~ ^{Study} Protracted studies, or the study of difficult, and Abstruse Subjects. The late Dr Beattie says in one of his letters that the study of the mathematics always brought on the head Ach. I know a lady in this
- 2 The undue exercise of the passions & all violent emotions, particularly terror, anger and joy.

There is a good deal of Variety in the ^{character} nature of the pain which constitutes head Ach, probably ^{depending} upon the different causes ^{by and} which induce it, and the different mediums ^{through} which it is produced. I shall briefly enumerate them.

- 1 It affects one half, or the whole head. In the former case it is called Hemiania.
- 2 It affects the forehead, or Occiput chiefly.

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Dr Baerhaave supposed the seat of the pain in the head ach to be in the Dura mater. Disputations of persons who have died of this disease confirm this opinion. The substance of the brain that is, those parts of it which are supposed to be the seat of the mind, and of the origin of the Nerves possess but little ~~for~~ or no sensibility, and for the wise purposes formerly mentioned. It is no objection to this opinion that we find marks of inflammation, such as pus & water in every part of the brain after death from head ach. We observe the same things after death from diseases in the liver, spleen & lungs none of which were accompanied with pain. ~~We then observe~~ We observe likewise death from palsy, Vertigo & madness all of which

V Now is it any objection to the seat of the
pain being in the Dura Mater that it dis-
-covers no sensibility when cut, in perfor-
-ming operations on the brain. ^{Like} ~~Like~~ the
head & ligaments it is probably affected
by stimuli of one kind, and not of ano-
-ther. It seems to feel the stimulus of
distention in the most sensible manner.

we know occupy the substance of the brain,
 and yet no one is attended with head
 ach, except when the patients are upon
 the recovery. In this case the disease is
 probably translated to the Dura Mater. I
 spoke formerly of the inter-communication
 of sensation in the bowels. The same
 thing takes place in the brain, & hence
 the marks of one disease be it what it
 may, are often seen after death in every
 part of the brain.

The head ach under all its forms appears
 with perfect intermissions for Days, ^{weeks,} ~~months,~~
~~years~~ months, seasons and years. I have
 known it in four instances to come on
 with the rising, and go off with the sitting

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hem. There light was its exciting cause. It
~~occurs~~ ^{frequently} occurs ~~only~~ with the seasons,
in some people in the Spring, in others in
the Summer, ^{in others in the Autumn,} and in others in the Winter
only. Again it occurs in the Spring and Au-
-tumn and in Summer & Winter. When
it occurs in the Autumn only, it is generally
a disguised autumnal fever. I have once
known ^{it} to occur for many years in the
month of September, ^{only} probably from ~~the~~
~~its~~ ~~own~~ ~~originating~~ ~~from~~ ~~the~~ ~~usual~~ ~~cause~~
~~of~~ ~~the~~ ~~belonging~~ ~~to~~ ~~the~~ ~~class~~ ~~of~~ ~~fevers~~ ~~just~~ ~~now~~
mentioned.

- 2 The head ach appears for weeks, months
& years with remissions only, and
- 3 It is sometimes perpetual without either
intermissions or remissions. I have known
two cases in which it continued with-
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any Abatement for ²four & five Years, and
 I knew a Citizen of Philad^a who lived to be
 above 80 years of Age who assured me that
 in the Course of 40. years he did recollect to
 have passed a ~~long~~ Day without being
 Afflicted with this Distressing Disease. —

It is a singular fact, that numerous as
 the Causes and Cases of this Disease are, we
 now and then meet with persons who have
 passed long lives, who have never felt a single
 sensation in the Head, that could give them
 any idea of the Head Ach.

The Remedies for this Disease should
 be different according to its Causes, ^{and Seats.} It is because
 so little Attention has been paid to each of
 them, that the Disease has so often eluded the
 power of medicine, and done both good &

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harm in a hundred instances. I shall briefly mention the remedies that are proper to ~~cure~~ relieve, or cure it under the six heads of its causes and seats.

I of the Remedies which are proper when the Disease arises from diet, or local causes.

When it arises from malconformation of the head it is generally incurable, but it may be relieved by small & frequent bleedings.

When it arises from Contusions or Concupiscence of the brain, the remedies should be copious venesection, Cupping, or leeches to the head,

Cold Applications to the head - an elevated position of it, purges and blisters and deep Scarifications of the Scalp & pericranium. I have

seen the last of these remedies succeed, ^{after} ~~when~~ all the others had been employed to no purpose.

The Disease was brought on by a Contusion.

Recollect here, that the intervals between

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the remote cause of this disease, and the disease itself, is ~~often~~ from one day, to eighteen months.

For ~~the~~ ^{the} Head Ach from an Abscess in the maxillary Sinus and ~~decayed teeth~~, the Remedy should be the extraction of the teeth below the Sinus. If it arise from decayed teeth, the teeth should be extracted.

II When the Head Ach arises from causes that act upon the head thro' the medium of the blood vessels, the remedies should be suited to those causes.

It may be known to arise from ^{these} causes, ~~that~~ by the pulse, which ^{is} in the beginning of the Disease, generally active.

If it arise from an epidemic fever, the remedies should be the same as for that fever.

Emetics are generally useful in these cases.

If it arise from Gout or Rheumatism, ^{and the pulse be excited,} the Remedies should be ~~the same as if for those~~ Diseases. If Bleeding be required, The Quantity to

V Crops to the head are very useful ^{to aid} in ~~head~~ general bloodletting.
~~As for this cancer~~ Two Citizens of Philad^a were ~~preserved~~ kept alive until ^{one of them} ~~they were~~ was about 75, and the other about 80 years of age.

2 In an active state of the pulse, purges should be given, and

3 The diet should be abstemious, and

4 Cold applications should be used to the head. They will be perfectly safe to the head, where they would ~~be~~ not be so to the feet. ~~For~~ the sympathy ^{of} with the head, with the stomach & bowels is much less than with the feet.] 5.^{ly} An advantage

will arise from cutting off the hair, and exposing the bare head night & day to the cold air. The Bishop of ^{I said was} ~~was~~ ^{was} cured of a head ache by sleeping with his bald head exposed to the night air. It probably arose from Gout or Rheumatism. 6-

or issues,
V be restored by blisters or Caustics & or purges
should be employed as Substitutes for them.

16

of the body they should be removed, - if from
sleeping with the head too low, or with the
neck bent, it should be obviated. If from the
use of tobacco, in any way, it should be laid
aside. If from repelled eruptions, they should

be drawn back from all the causes that act
upon it should the medium of the blood vessels,
the patient should sleep with his head as much
elevated as possible.

After the reduction of the action of the blood-
vessels, and in all those cases in which this
has not been necessary, the Remedies should be
of a stimulating nature such as Opium,
Wine, the Volatile tincture of Guaiacum, Warm
and Cold Bath, warm Applications to the head,
stimulating Applications to the feet, such as
Salt & Water, Cayenne pepper, Shonakers Wax,
Burgundy pitch, Garlic, Asafetida, & Euphorbium.
The inhalation of the Vapor of hot water,
- of hot Coffee - or hot Vinegar. Embrioes, but

✓ seen it completely used by working
one month in a garden.

not

Sternutaries. Snuff has been useful for this
 purpose. A local Iucet induced by covering
 the eyes, ~~and~~ and exposing the head to the heat
 Vapor of Vinegar poured upon a heated brick,
 confined by means of a blanket thrown
 over the ~~whole~~ head & trunk of the body.
 Smoking tobacco. It was completely cured in
 a gentleman of this city by the use of Sigs.
 It was remarkable when in health, they
 sickened him, but when afflicted with the head
 Ach, they never affected his ^{labor or} stomach. a
 salivation, and lastly, exercise. I have once
 III. Head Ach I have said is produced by
 causes that act upon the brain this the
 medium of the nerves. I have enumerated
 those causes. The Head Ach in these cases
 is generally periodical, or has perfect
 intervals between its paroxysms. ~~These~~

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It is sometimes called the Sick head ache, but it exists without any sickness afterwards and tho' it may be induced by certain offensive matters in the stomach, yet it is much oftner induced by the other causes that have been mentioned.

The paroxysm is generally preceded by cold and dry feet, great sleepiness or wakefulness, troublesome dreams, a sense of weight upon the head, and no increase or diminution of appetite. In this forming state of a paroxysm of nervous head, the following Remedies are proper.

1 Abstinence. 2 a dose of ~~the~~ Laudanum, I have often known this medicine prevent, or weaken a paroxysm of this disease.

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3 Three or four Glases¹⁹ of wine. I know a lady in this city who by taking this remedy and going to bed strangled a paroxysm of this disease in its forming state.

4 The petilivium.

5 An Emetic if there be any reason to believe it has been excited by offensive matters in the stomach.

6 a purge. 7 a copious sweat induced by drinking some warm liquor & wrapping up the body in blankets.

8 ^{Swallowing} Two or three grains of pepper. I have known this remedy to be employed in one instance with success. I shall mention a fact hereafter that will show pepper to be useful remedy in this disease.

9 Dr Darwin recommends swallowing three pints of hot water in the forming state

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of a paroxysm of head Ach. I can say
nothing in its favor from my own
experience.

Should these remedies fail of preventing
~~the~~ a paroxysm of head Ach, the disease
~~appones~~ proceeds, and appears with the
following symptoms, Cold & Dry feet - the
face suffused with blood, and hot, the eyes
inflamed, the ^{upper} eye lids are depressed, below
the under eye lid, the flesh is black & blue.
tears flow involuntarily, vision is weakened,
or totally suspended, or the eyes become so
exquisitely sensible of to light that they can-
not bear even a candle or fire in the room.
The ears are affected with imaginary or
fable real noises, and the senses of smelling
and taste are impaired. Bilious Vomiting
pale Urine, Costiveness, and Syncope

✓ 6 Cloths wetted with Vinegar applied to
the forehead.

7 Bathing the head with Spirit of Caspian
-line, or Spirit of hartshorn, or pouring
Water upon it.

Sometimes attend the paroxysm. The ^{pain} ~~mind~~
~~is~~ During the prevalence of these symptoms
 is acute and sometimes so exquisite as
 to cause the patient to cry out. The mind
 sympathizes with the body in the loss of
 memory, ⁱⁿ incoherence of imagination and
 weakness of judgment, but seldom in
 complete delirium. These symptoms
 generally continue from 6 to 48 hours,
 and then go off in stupor or sleep.

The Remedies proper in a paroxysm of
 this disease should be

1 Bleeding if the blood vessels be brought into
 sympathy, or if there be danger of convul-
 -sions.

2 Cold applications to the head.

3 Purges. 4 Blisters behind the ears.

5 ~~Put up~~ a tight bandage around the head. V

6 Cataplasms of garlic or mustard to the
 feet.

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9 Rest in a recumbent posture, & in a dark room.

10 Perfect Silence.

11 Large Doses of Laudanum, Other & Wine.

12 Terror. I have once known a paroxysm completely cured by the fright induced by a fall upon the ice in a lady in this city.

The Remedies to be employed in the intervals of the paroxysms should be such as are calculated to give tone to the nervous system, for the disease originates in nervous debility. They are Tonics, particularly ~~the~~ ^{g^r} ~~digestible~~ ^{g^r} ~~substances~~ Bark, Valerian, or both combined - Garlic, and bitters of all kinds, ~~etc.~~
 2 Mineral Substances all the preparations of Iron, the Sulphate of Lime & Copper & the flowers of Lime.

2 The Cold Bath.

3 Cordial food. I have known a case of



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Obstinate Nervous Head Ach cured by a Diet
 black
 strongly spiced with pepper, the Use of
 which was suggested accidentally by the pa-
 -tient having been much benefitted by ca-
 -ting of potpye ~~into which~~ overseasoned
 with black pepper.

4 Constant, ^{labor on} ~~Exercise~~. I have ^{mentioned of an instance} ~~seen an instance~~
 of this disease occurring only on Sundays,
 occasioned wholly by the suspension of labor
 on that day.

5 Warmth ^{or cool air} to the head. ~~I have known it~~ ^{according to the}
~~used by constantly wearing a wig~~ ^{state}
~~of the excitement in the~~ ^{spines} ~~brain~~, or
 according to its greater or less mixture with
 Arterial Action. I have ~~it~~ ^{it} cured ~~by~~ ^{by}
 constantly wearing a wig, and by flaving
 the head once a week so as to permit the
 cool Air to act upon it. It will be useful

V

IV. Head ach when it arises from causes which
act upon the brain thro' the medium of
the stomach should be removed by avoiding
all ~~its existing~~ ^{those} causes, by gentle emetics,
and the remedies ~~formerly~~ ^{to be} mentioned
for Dyspepsia. — I mentioned ^{formerly} the signs
by which the disease may be known
to be derived from the stomach.

V. Head ach from causes which act upon
the senses ~~should~~ can be cured only by the
removal of those causes.

VI The same thing should be done in
all our attempts to remove head ach
when it arises from causes that act
upon the brain thro' the medium of the
mind. —

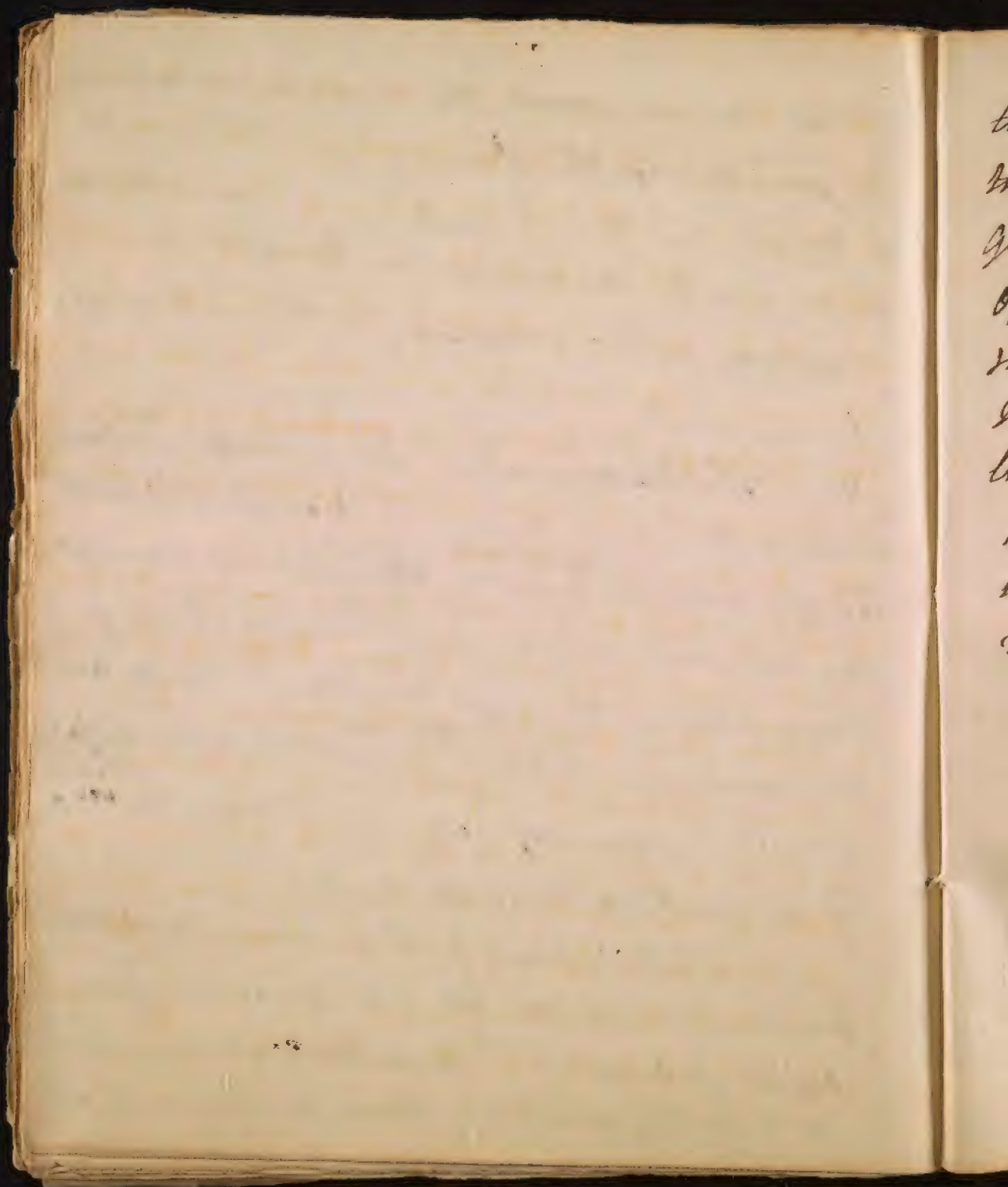
in all cases to avoid the application of grease or powder to the hair.

6 Dr. Ferriarum recommends a perpetual blister to the head for the cure of this disease.

7 all the exciting causes of it should be carefully removed.

v The disease when left to itself, or when incurable, terminates in deafness, blindness, loss of memory, ^{hydrocephalus internus,} Epilepsy, Palsy & Apoplexy. It has been said - madness likewise, but I have seldom observed this to the case. On the contrary, I have ^{often} observed head ache to be a symptom of returning reason ^{than} of approaching derangement.

While I have distinguished head ache from its causes, let me caution you against supposing that they always exist and act separately. It is to believe this



to be the case would be to relapse into all the errors and vices of Nosology. No - no - Gentlemen, the two or more of those causes often combine, and the remedies of course should be accommodated to those combinations. In your attempts to cure this disease never lose sight of the following ~~rules~~ directions.

- 1 Find out through what system or medium the disease is produced.
- 2 When two or more systems ~~are~~ are diseased, direct your remedies to each & all of them.
- 3 Take care to plumb the systems where more than one of them is affected. —
- 4 Change your remedies with the varying states of the system or systems thro' which the disease is conveyed to the brain. &
- 5 Recollect that the disease can be cured only by attacking it in its intervals. —

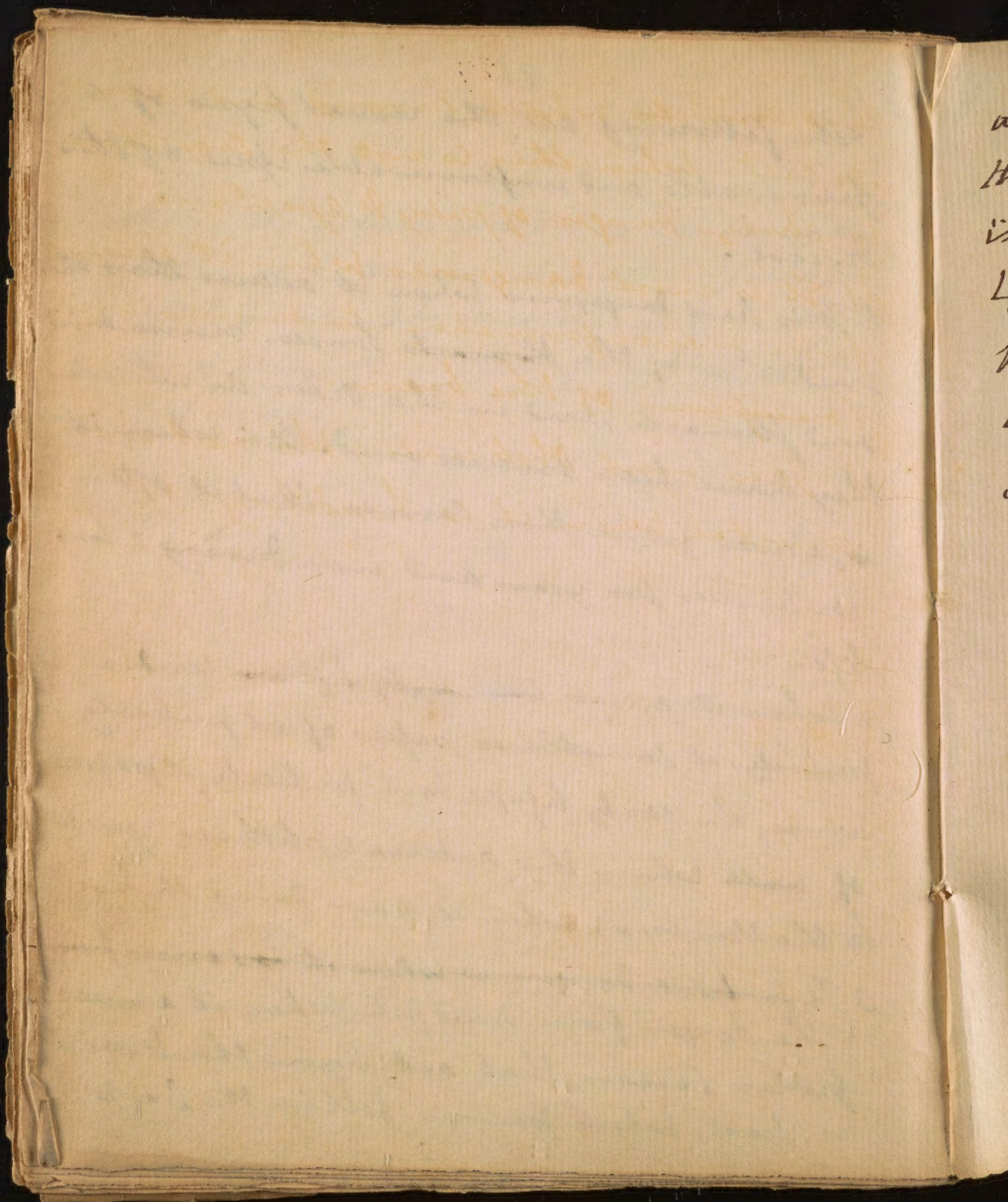
Between the Arteries and Veins, or during the
Operation of the menses, it is seldom fatal pro-
-vided it be relieved by medicine. It generally
goes off when those states of the blood recede
pass away.

The following are the usual signs of a favourable and unfavourable issue of this Disease.

1 It is least dangerous when it occurs thro' the medium of the ~~stomachs~~, senses, nerves, mind and stomach, and in the order in which they have been mentioned. It is when it arises from those causes, that it often continues for years and even during a long life.

2 When it occurs ~~in early life~~ under puberty, it sometimes passes off at puberty, when, in early life & above puberty, it passes off with when the arterial plethora yields to the venous when it occurs during the life.

3 ~~It is least dangerous when it arises from~~ The danger from head ache when it arises from causes that act upon the brain, is least, when pain is felt in the scalp,



and muscles which surround and move
the head. When this is not the case, there
is always danger of palsy & Apoplexy.

4 It is most dangerous when it arises
from malformation, contusions and
concussions of the brain.

5 It is most obstinate, tho' not most
mortal, when it is hereditary.

